

Filed 2/12/07

PTO/SB/08B (07-06)

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/620,099
				Filing Date	July 14, 2003
				First Named Inventor	Wachter, Rebekka M.
				Art Unit	1656
				Examiner Name	Nashaatt T. Nashed
Sheet	1	of	1	Attorney Docket Number	026069-151480US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
NN	1	2002/0164577 A1	11-7-2002	Tsien, et al.	
	2	2002/0164874 A1	11-07-2002	Tsien, et al.	
	3	2003/0119085 A1	6-26-2003	Tsien, et al.	
	4	2003/0212265	11-13-2003	Tsien, et al.	
	5	2005/0079525	04-14-2005	Tsien, et al.	
	6	2005/0131217 A1	06-16-2005	Tsien, et al.	
	7	2006/0112440 A1	05-25-2006	Tsien, et al.	
	8	Application No. 11/550,275	Filed 10-17-2006	Tsien, et al.	
	9	5,981,200	11-09-1999	Tsien, et al.	
	10	5,998,204	12-07-1999	Tsien, et al.	
	11	6,048,925	04-04-2000	Tsien, et al.	
	12	6,054,321	04-25-2000	Tsien, et al.	
	13	6,077,707	06-20-2000	Tsien, et al.	
	14	6,124,128	09-26-2000	Tsien, et al.	
	15	6,140,132	10-31-2000	Tsien, et al.	
	16	6,150,176	11-21-2000	Tsien, et al.	
	17	6,197,928	03-06-2001	Tsien, et al.	
	18	6,403,374	06-11-2002	Tsien, et al.	
	19	6,469,154	10-22-2002	Tsien, et al.	
	20	6,593,135	07-15-2003	Wachter, et al.	
	21	6,608,189	08-19-2003	Tsien, et al.	
	22	6,627,449	09-30-2003	Tsien, et al.	
	23	6,699,687	03-02-2004	Tsien, et al.	
	24	6,780,975	08-24-2004	Tsien, et al.	
	25	6,803,188	10-12-2004	Tsien, et al.	
	26	7,060,793	06-13-2006	Tsien, et al.	
NN	27	7,060,869	06-13-2006	Tsien, et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
Examiner Signature	/Nashaatt Nashed/ (03/02/2007)					Date Considered		

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Filed 7/14/03

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/620,099
				Filing Date	July 14, 2003
				First Named Inventor	Wachter, Rebekka M.
				Art Unit	1656
				Examiner Name	Nashaatt T. Nashed
Sheet	1	of	4	Attorney Docket Number	026069-151480US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
NE	AA	US-5,491,084	02/13/1996	Chalfie et al.	
	AB	US-5,625,048	04/29/1997	Tsien et al.	
	AC	US-5,777,079	07/07/1998	Tsien et al.	
	AD	US-5,795,737	08/18/1998	Seed et al.	
NE	AE	US-5,804,387	09/08/1998	Cornack et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
NE	AF	PCT	WO 91/01305		02/07/1991			<input type="checkbox"/>
	AG	PCT	WO 95/07463		03/16/1995			<input type="checkbox"/>
	AH	PCT	WO 95/21191		08/10/1995			<input type="checkbox"/>
	AI	PCT	WO 96/23810		08/08/1996			<input type="checkbox"/>
	AJ	PCT	WO 96/27027		09/06/1996			<input type="checkbox"/>
	AK	PCT	WO 96/23898		08/08/1996			<input type="checkbox"/>
	AL	PCT	WO 96/27675		09/12/1996			<input type="checkbox"/>
	AM	PCT	WO 97/11094		03/27/1997			<input type="checkbox"/>
	AN	PCT	WO 97/26333		01/17/1997			<input type="checkbox"/>
	AO	PCT	WO 97/28261		08/07/1997			<input type="checkbox"/>
NE	AP	PCT	WO 97/42320		05/07/1997			<input type="checkbox"/>

Examiner Signature	<i>Nashed</i>	Date Considered	
--------------------	---------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/620,099
				Filing Date	July 14, 2003
				First Named Inventor	Wachter, Rebekka M.
				Art Unit	1656
				Examiner Name	Nashaatt T. Nashed
Sheet	2	of	4	Attorney Docket Number	026069-151480US

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)		
	AQ	² et al., <i>Proc. Natl. Acad. Sci.</i> , 93:8362-8367 (1996) <i>Incomplete citation</i>
NE	AR	Baldwin et al., <i>Biochemistry</i> , 29:5509-5915 (1990)
	AS	Chalfie et al., <i>Science</i> , 263:802-804 (1994)
	AT	Cheng et al., <i>Nature Biotechnology</i> , 14:606-609 (1996)
	AU	Cody et al., <i>Biochemistry</i> , 32:1212-1218 (1993)
	AV	Cormack et al., <i>Gene</i> , 173:33-38 (1995)
	AW	Crameri et al., <i>Nature Biotech.</i> , 14:315-319 (1996)
	AX	Cubin et al., <i>Trends in Biochem. Sci.</i> , 20:488-455 (1995)
	AY	Delagrave, S. et al., "Searching sequence space to engineer proteins, exponential ensemble mutagenesis," <i>Bio Technology</i> , 11:1548-1552 (December 1993)
	AZ	Delagrave, S. et al., <i>Bio/Technology</i> , 13:151-154 (1995)
	BA	Dickson et al., <i>Science</i> , 274:966-969 (1996)
	BB	Ehrig et al., <i>FEBS Letters</i> , 367:163-166 (1995)
NE	BC	Eisilger, Marc-Andre et al., "Structural and Spectral Response of Green Fluorescent Protein Variants to Changes in pH," <i>Biochemistry</i> , Vol. 38, Pages 5296-5301 (1999)

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/620,099	
			Filing Date	July 14, 2003	
			First Named Inventor	Wachter, Rebekka M.	
			Art Unit	1656	
			Examiner Name	Nashaatt T. Nashed	
Sheet	3	of	4	Attorney Docket Number	026069-151480US

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)		
ne	BD	Giuliano et al., <i>Ann. Rev. Biophys. Biomol. Struc.</i> , 24:405-435 (1995)
	BE	Heim et al., <i>Current Biology</i> , 6:178-182 (February 1996)
	BF	Heim et al., <i>Nature</i> , 373:663-664 (1995)
	BG	Heim et al., <i>Proc. Natl. Acad. Sci.</i> , 91:12501-12505 (1994)
	BH	Inouye and Tsuji, <i>FEBS Letters</i> , 341:277-280 (1994)
	BI	Jayaraman, Sujatha et al., "Mechanism and Cellular Applications of a Green Fluorescent Protein-based Halide Sensor," <i>J. Biol. Chem.</i> , 275(9) 6047-6050 (2000)
	BJ	Kain et al., <i>BioTechniques</i> , 19:650-655 (1995)
	BK	Levine et al., <i>Comp. Biochem. Physiol.</i> , 728:77-85 (1982)
	BL	Mitra et al., <i>Gene</i> , 173:13-17 (1996)
	BM	Muhirad et al., <i>Yeast</i> , 8:79-82 (1992)
	BN	Niws et al., <i>Proc. Natl. Acad. Sci.</i> , 93:13617-13622 (1996)
↓	BO	Norris, et al., <i>Plant Molecular Biology</i> , 24:673-677 (1994)
ne	BP	Ormo et al., <i>Science</i> , 273:1392-1395 (1996)


Examiner Signature	<i>N. Nashed</i>	Date Considered	
--------------------	------------------	-----------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/620,099	
			Filing Date	July 14, 2003	
			First Named Inventor	Wachter, Rebekka M.	
			Art Unit	1656	
			Examiner Name	Nashaatt T. Nashed	
Sheet	4	of	4	Attorney Docket Number	026069-151480US

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)		
me	BQ	Palm et al., <i>Nature Struct. Biol.</i> , 4:361-365 (1997)
	BR	Perozzo et al., <i>J. Biol. Chem.</i> , 263:7713-7716 (1988)
	BS	Prasher et al., <i>Gene</i> , 111:229-233 (1992)
	BT	Roth Thesis from the graduate program in Biochemistry from Rutgers, the state University of New Jersey (October 1985)
	BU	Wachter, Rebekka M. et al., "Crystal Structure and Photodynamic Behavior of the Blue Emission Variant Y66H/Y145F of Green Fluorescent Protein," <i>Biochemistry</i> , Vol. 36, Pages 9759-9765 (1997)
	BV	Wachter, Rebekka M. et al., "Sensitivity of the Yellow Variant of Green Fluorescent Protein to Halides and Nitrate," <i>Current Biology</i> , Vol. 9, No. 17, Pages R628-R629 (1999)
	BW	Wachter, Rebekka M. et al., "Structural Basis of Spectral Shifts in the Yellow-emission Variants of Green Fluorescent Protein," <i>Structure</i> , Vol. 6, No. 10, Pages 1267-1277 (1998)
	BX	Ward et al., <i>Biochemistry</i> , 21:4535-4540 (1982)
	BY	Ward et al., <i>Photochem Photobiol.</i> , 35:803-808 (1982)
	BZ	Ward in Bioluminescence and Chemiluminescence (eds DeLuca et al., 235-242 (Academic Press, NY, 1981))
	CA	Yang et al., <i>Nature Biotechnology</i> , 14:1246-1251
	CB	Yokoe and Meyer, <i>Nature Biotech</i> , 14:1252-1256 (1996)
me	CC	Zolotukhin et al., 4646-4654 (1996)

Examiner Signature		Date Considered	
--------------------	---	-----------------	--

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.